



# NUCLEAR DIVISION NEWS

A Newspaper for Employees of the Nuclear Division, Union Carbide Corporation

Vol. 3 - No. 17

Thursday, December 7, 1972

## QUESTION BOX

If you have questions on company policies, benefits, etc. or any other problems with which we might help, just let us know. Drop your inquiry to the Editor, Nuclear Division News. (Or telephone it to your plant news representative; see page 7). You may or may not sign your name. It will not be used in the paper if you so desire.

Questions are referred to the proper authorities for accurate answers. Each query is given serious consideration for publication.

Answers may be given to employees personally if they so desire.

**QUESTION:** What happens to the money which is laid back for pension purposes and isn't used? Example: An employee works 30 years, is 50 years old and dies.

Since many employees build pension benefits which they never receive, why doesn't the company distribute the pension benefits which aren't used?

**ANSWER:** The premium to be paid into the Pension Plan is computed by actuaries who consider all of the terms of Union Carbide's plan and all of the conditions anticipated. For example, they consider, in addition to other things, the number of employees, their ages, their company service, their annual earnings, and the anticipated number of terminations, including deaths, that may occur before eligibility is established. The premium determined in this manner is sufficient to provide a pool of money large enough to pay each employee a pension benefit when he becomes eligible.

One first becomes eligible for benefits when he has 10 years of service and is at least 55 years of age. If an eligible active employee dies after age 55, his spouse, under the terms of the plan, is eligible for benefits. Also, an employee who terminates with vested rights is eligible for full benefits at age 65 or reduced benefits at age 62.

An employee who dies at age 50, as in your example, has not yet established eligibility for benefits under the Pension Plan. He does receive death benefits up to three times his annual earnings under the Group Life Insurance Plan.

**QUESTION:** Since dental bills are so expensive and a big part of an employee's salary goes for this, why does Carbide not have some kind of a dental health plan?

**ANSWER:** The Company's benefit program is quite broad including pension, life insurance, savings, hospitalization, major medical expenses, etc. It is recognized that each employee has many recurring personal expenses of various magnitudes, but it is not possible for the Company to provide a program for each of these.

Unfortunately, there is no "pot of gold at the end of the rainbow" which can be used to finance benefit plans. All such plans must be financed with money that might otherwise be available for payment of direct wages to employees.

This fact has to be carefully weighed when we consider improving present benefit plans or adding new ones.

Although a few companies have introduced limited dental coverage in the past few years, Union Carbide does not anticipate providing this type of coverage at any time in the near future.

**QUESTION:** Why doesn't the Nuclear Division plants conduct seminar meetings or some type of informational sessions in regards to retirement? I am sure that personnel approaching this milestone would like to have questions answered before the day retirement actually begins, instead of the traditional exit interview.

**ANSWER:** The company does have a Retirement Counseling program for all employees approaching retirement age. The extent of the program at each installation depends on the number of employees who will be retiring.

At Y-12, one person spends full time contacting those approaching retirement, scheduling discussions with them about their benefits, and answering their questions. At ORNL and ORGDP one person at each location does the same thing on a part-time basis in connection with his other duties.

At Paducah employees will be contacted as they approach age 65 and their retirement benefits will be described to them. Those at Paducah who are approaching age 65 and have not been contacted or those planning to take early retirement should call the Benefit Plans Office, Bell 369, and arrange for a time to discuss their benefits.

### Next Issue

The next issue will be dated Dec. 21. The deadline is Dec. 13.

### NUCLEAR DIVISION SAFETY SCOREBOARD

Time worked without a lost-time accident through November 30:

Paducah	52 Days	341,000 Man-Hours
ORGDP	49 Days	719,000 Man-Hours
ORNL	10 Days	157,746 Man-Hours
Y-12	31 Days	1,091,000 Man-Hours

**Safety is everyone's concern!**



AEC CITATION — Norman G. Anderson, director of ORNL's Molecular Anatomy Program, receives the Atomic Energy Commission citation from AEC Commissioner Dixy Lee Ray for outstanding contributions to the nuclear energy program.

## MAN's Norman Anderson cited by AEC for centrifuge work

Norman G. Anderson, director of the Molecular Anatomy Program at ORNL, was recently named to receive the Atomic Energy Commission citation for outstanding contributions to the nuclear energy program.

Anderson directed a group of scientists and engineers in the development of instruments for use in research and clinical laboratories. Specifically, he headed

the development of centrifuge systems for the isolation and purification of large quantities of subcellular minute particles that retain their structural and functional integrity. A biologist with unique capabilities in biomedical instrument design, Anderson helped fabricate a centrifuge system which led to large-scale production of a vaccine of extremely high purity and efficacy with few, if any, of the side effects associated with other vaccines. The extension of this system to commercial production of other much needed vaccines is anticipated.

### Meritorious contributions

The AEC citation is presented to private individuals and employees of AEC contractors or to members of other Federal agencies including the military who have made especially meritorious contributions to or have been clearly outstanding in the nuclear energy program.

Anderson's citation reads:

"NORMAN G. ANDERSON

For his outstanding achievements in the successful development of a number of complex tools required for biomedical research and clinical application; for accomplishments that are exemplified by the recent development and application of a unique centrifuge system for the separation and purification of influenza virus for production of vaccines of extremely high purity; and for his pioneering efforts in the area of instrument development that has demonstrated the practicality and need for increased emphasis in biomedical engineering."



## Holiday Bureau's Gerald Goldberg busy these days!

Gerald Goldberg, a chemist at Oak Ridge National Laboratory, is a pretty busy man these days. As director of the Holiday Bureau in Oak Ridge (Goldberg has led the social agency for the past 14 years), he is actively readying his crew of Santa's helpers for their annual foray into the community and surrounding areas.

Each year the Bureau provides some 4,000 children in the area with toys, and their families with food baskets ... "Families that would otherwise get ignored in the rush," Goldberg points out.

With an initial assist of \$2,000 from the United Fund, the Bureau must raise an additional \$5,000 in donations to meet their budget. "Like the government, we spend it first, then raise it later," Goldberg stated. The money is used for the preparation of food baskets and the operation of the repair shop. Last year, the Bureau spent some \$6,500. Extra money, if collected, is used throughout the year for emergency assistance. Carl Yearwood, city recreation department director, acts as treasurer of the Bureau. (Goldberg described a recent "emergency assistance" case where a family was traveling through town and had a major auto breakdown. They were without funds and the Bureau gave them assistance, purchasing a new tire, and providing the necessary funds for the repairs.)

### Toys look almost new

The Bureau has already managed to prepare a large number of toys at the repair shop under the supervision of James Manney with the help of Gertrude Coin, Joe Woodward and Dr. Rufus Wright. With other volunteers, these workers get together at the Bureau headquarters in Dennison Hall near the National Guard Armory on the Turnpike and repair and paint toys to make them look new.

Dolls are picked up by other individuals and cleaned and dressed in homes. "The children know they are not getting new toys," Goldberg said, "but the toys look almost like new."

Families applying for Bureau help fill out applications at the Welfare Offices in Clinton and Oak Ridge prior to the Thanksgiving holidays. These confidential forms list the names, ages and sex of all those in the household, as well as directions to the home. The forms are screened before the names are added to the Holiday Bureau list. Actual toy distribution will be made, or begun, next Thursday, to be followed by food basket delivery.

### Acts as clearing house

So that a food basket for those families in excess of the 450 baskets prepared by the Bureau, a clearing house is also operated with the assistance of Mrs. Elinor Pegel. Goldberg voiced the hope that churches and other groups wishing to provide baskets would contact Mrs. Pegel and cross-check the names of the families they are assisting, or request the names of families in need of help. "In this way we can be assured that those who need assistance will get it rather than have some families get two or three baskets instead."

The Anderson County Rescue Squad, another United Fund agency, helps with the preparation of the food baskets. On



*IN SEA OF TOYS — Gerald Goldberg, a chemist at Oak Ridge National Laboratory, is busy again this season getting toys ready for delivery to needy children in the area. Goldberg has headed up the Holiday Bureau for the past 14 years.*

Monday, Tuesday and Wednesday before Christmas, the baskets are delivered by the Rescue Squad, the county road superintendent, and the sheriff's office, the Clinton Volunteer Fire Department and other interested individuals.

"The single food basket is not going to keep a family alive, but it should provide them with an opportunity to have a special meal together at Christmas," Goldberg says. "Perhaps the children will realize that there is something better ahead than a life of bare necessities."

### Goldberg cited

As an additional service to Oak Ridgers, the Bureau supervises the In-Lieu-of-Christmas Card Fund. Donations marked for an individual's favorite charity are mailed to the Bureau. These individuals are assured their money will reach their favorite charity in their name. Last year over \$2,500 was channeled through the Bureau to some 20 charitable organizations in the area.

For his dedication to the Bureau, and other civic activities, Goldberg was recently awarded the "Columbus Award" by the Knights of Columbus Council for 1972.

In addition, he was cited for dedicated involvement in local youth programs, legislation providing for equal housing, employment; social and civic activities for residents; and for direction and assistance in charitable fund raising campaigns for the indigent, the deprived and the ill.

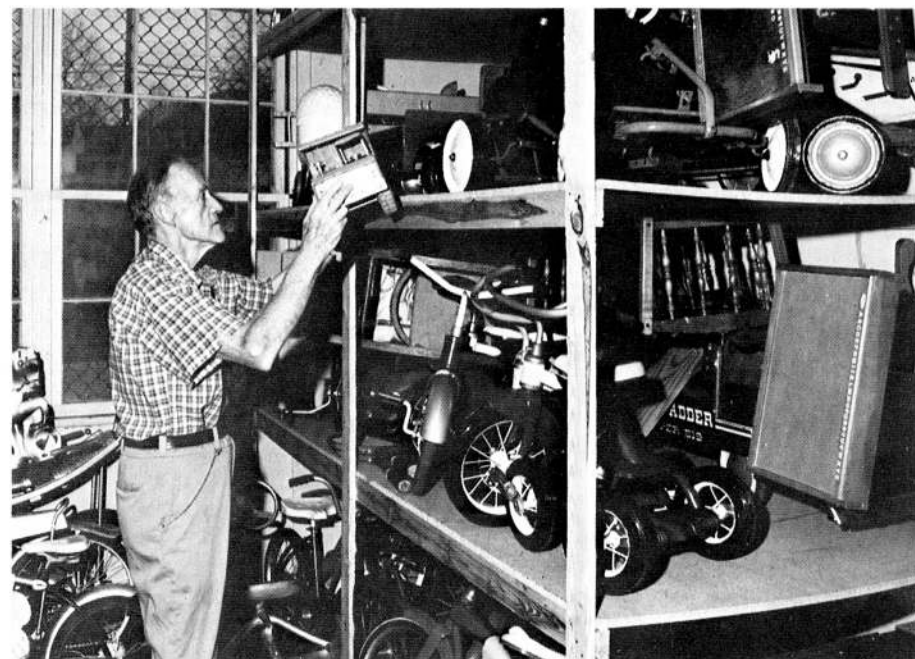
### Other activities

Goldberg is now in his 26th year as a volunteer with the National Foundation-March of Dimes. He has also served with the Cancer Crusade, Heart Fund Drive, Easter Seal and Muscular Dystrophy drives, as well as other fund raising campaigns in Oak Ridge. He has served as a member of the City Council Human Relations Advisory Board, the Mayor's Traffic Safety Committee and the Oak Ridge Traffic Safety Council.

In the local post of the American Legion, Goldberg has served as a past commander, and has also been chairman for Boys' State.



*BUSY SANTA HELPERS — Dr. Rufus D. Wright, a retired physician, Joe Woodward, ORGDP retiree, with his granddaughter, Linda Darnell; and James Manney are in the pre-Christmas rush around the Holiday Bureau getting the dolls and toys ready for distribution to needy children in this area.*



*FINISHED PRODUCTS — James Manney, ORNL retiree, checks out some of the refinished toys the Holiday Bureau has for distribution this year.*



## COMPANY SERVICE —20-25-30—

### ORNL 25 YEARS

George A. Hamilton and Myrlene W. Davis.

### 20 YEARS

Clarence Hood, Eugene V. Dawson, William H. Shinpaugh Jr., Artie L. Holloway and H. Ray Beatty.

### PADUCAH 25 YEARS

Robert C. Wenzel.

### 20 YEARS

Clarence H. Yates, J.C. Alderdice, Howard J. Rendleman, Clifford E. Seaton, Harry A. Johnson Jr., Count Beasley, Harold E. Cook, W.B. Ford and Christal O. Mayo.

### Y-12 PLANT 25 YEARS

Earl C. Gross and Glen R. Walls.

### 20 YEARS

Edwin E. Nichols, George W. Bass, William F. Mars, Thomas D. Pressly, David G. Porter, Henry T. Green, Jr., Robert D. Shank, Clyde H. Wade, David E. Bailey, Roy M. Martin and Buford W. Rea.

### ORGDP 25 YEARS

Millard C. Hanshaw.

### 20 YEARS

James M. Young Jr., Robert T. Payne, John D. Nicol, Henry L. McWane, Alex H. Marshall Jr., Margie B. Hall, Clarence W. Castle Jr., and Franklin N. Higgins.

*"No machine can be trained to meet unforeseen developments. Judgment belongs to human beings."*

... Malcolm P. Ferguson

### Dianna Altom promoted in ORGDP Laboratory



Mrs. Altom

Dianna D. Altom, Chemical Analysis in the Laboratory Division, has been named an associate chemist at the Oak Ridge Gaseous Diffusion Plant.

Mrs. Altom holds a B.S. degree in chemistry from The University of Tennessee. She has been with Union Carbide more than five years.

She and her husband, Donald W. Altom, live at 512 Valparaiso Road, Oak Ridge. They have a small son, Jason.

She enjoys cooking and sewing in her spare time. A native of Jacksonville, Ark., she was Dianna Derreberry before her marriage.

## AICHE Wilson award goes to Floyd Culler

ORNL Deputy Director Floyd L. Culler was honored with the Robert E. Wilson Award in Nuclear Engineering at the 65th annual meeting of the American Institute of Chemical Engineers, November 26-30 in New York.



Culler

The award is given to recognize outstanding chemical engineering contributions and achievements in the nuclear industry by a member of AIChE and to promote the objectives of the Nuclear Engineering Division of AIChE.

Culler received the bachelor of science in chemical engineering from Johns Hopkins University in 1943. He came to Oak Ridge in 1943 as an engineer for Tennessee Eastman Company and in 1947 joined Clinton Laboratories as a design engineer. At ORNL he became a process design section chief in 1948, Chemical Technology Division director in 1953, assistant laboratory director in 1965 and deputy director in 1970. He is a recipient for the Atoms for Peace Award, a fellow of the American Institute of Chemists and the American Nuclear Society and is an advisor to the Environmental Protection Agency's National Air Pollution Research and Development Council.

## Patents granted

To Rodney W. Knight, Melvin M. Martin and William R. Martin, ORNL, for "Improved Gradient-Type Nuclear Fuel Plate Compositions and Method Thereof."

To William J. Werner, ORNL, for "Fluxless Aluminum Brazing Composition."

To F. Neil Case, Hugh R. Brashear Jr. and Elick H. Acree, ORNL, for "Device for Inserting Tagged Sand into Ocean Floor."

*"It was said of him, that he knew how to keep Christmas well if any man alive possessed the knowledge."*

Dickens



**REACTOR DIVISION RECOGNIZED** — Oak Ridge National Laboratory's Reactor Division, located in the Y-12 Plant, was recently honored for its contribution to the plant's safety record. The division recently passed 22 years without a lost-time accident, accumulating 10,630,000 man-hours! From left are Will Osborn, division safety director; Jack M. Case, Y-12 plant superintendent; Sam E. Beall, director of the Reactor Division; Floyd L. Culler Jr., deputy director of ORNL; Clarence E. Johnson, Y-12 safety director; and Richard N. Lyon, technical director of the Reactor Division.

## Reactor Division passes 22 years in Y-12 without lost-time accident

The Reactor Division of Oak Ridge National Laboratory recently completed 22 years without a lost-time accident. In attaining this record, the Division has accumulated 10,630,000 man-hours without a lost-time accident.

The Reactor Division, although a part of Oak Ridge National Laboratory, is physically located at the Oak Ridge Y-12 Plant, another of the facilities Union Carbide operates for the U.S. Atomic Energy Commission. Employment in the Reactor Division totals 265.

In recognition of the division's safety record, Jack M. Case, Y-12 plant superintendent, presented a plaque to the Division for its safety record and excellent contribution to the Y-12 Plant's overall safety performance.

Commenting on the safety record, Case said: "The concerted efforts of all

personnel in the Reactor Division, working in close contact with the Y-12 maintenance and safety groups, have been responsible for this outstanding safety performance."

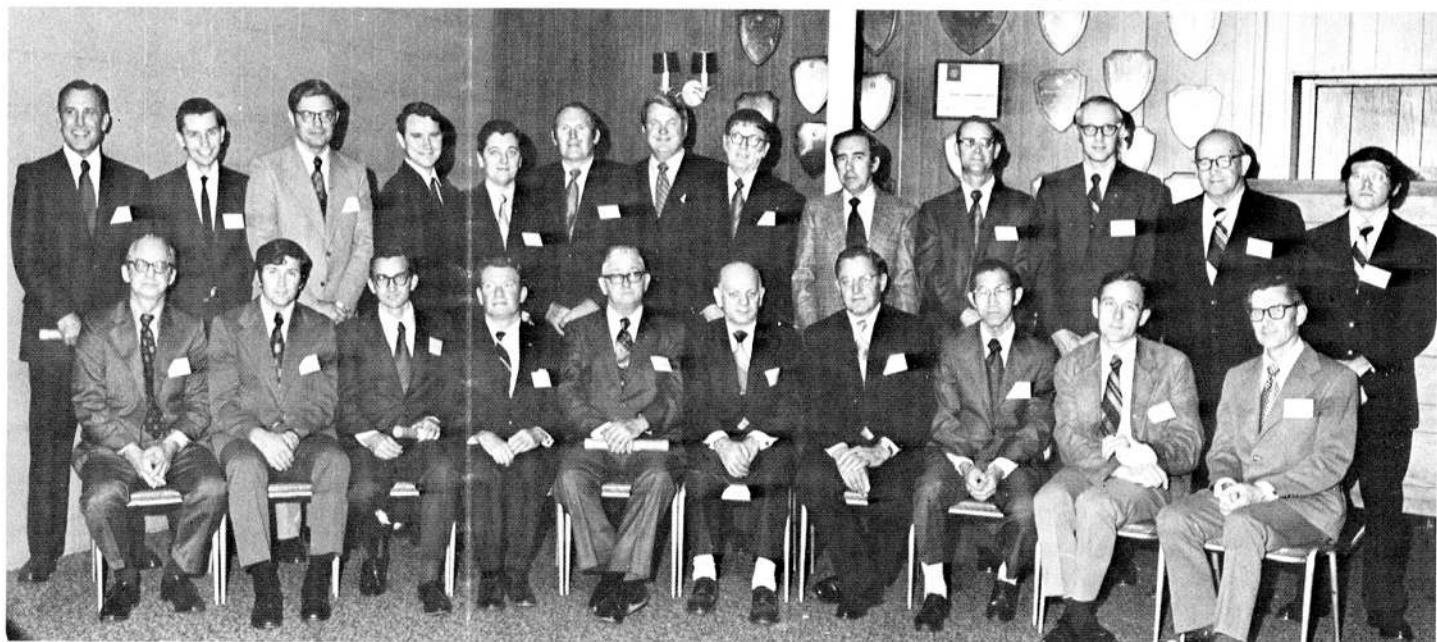
Sam E. Beall is director of the Reactor Division, and Will R. Osborn is safety officer. Ernie M. Lees and James W. Teague are the safety coordinators.

The Reactor Division was formed in 1960. Over the years the Division has been engaged in designing, developing and operating experimental reactors.

### COMING HOLIDAYS

Monday and Tuesday, December 25 and 26, will be official holidays for all Nuclear Division employees. Also Monday, January 1, will be a day off.

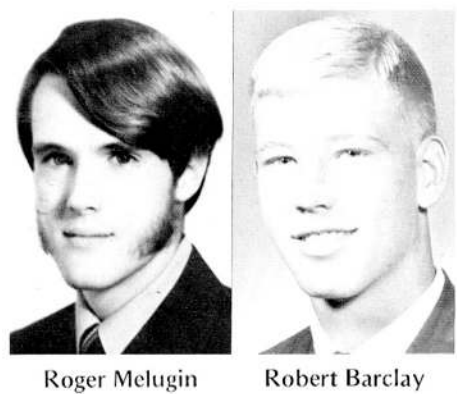
No employee will be required to work unless his presence is required for security reasons or for continuous operations.



**CERTIFICATES PRESENTED** — The Oak Ridge Chapter of the Tennessee Society of Professional Engineers presented professional engineering licenses to the above area engineers at a recent meeting in Oak Ridge. Licenses from the Tennessee State Board of Architectural and Engineering Examiners were presented to the following; seated from left, Harold B. Shnyder, William L. McMahan, R.A. Hall, Robert P. George, R.T. Richards, Emil C. Fortunator, Sam G. Bishop, H.N. Noritake, J.H. Devan and Albert Gronstrom. Standing are James M. Loupe, James J. McNabb, W. Eugene Rooks, Donald L. Trew, W. Wilson Pitt, Jr., R.J. DeBakker, J.H. Pashley, A.N. Smith, J.P. Smith, Paul J. Long, Lucian P. Wynns Jr., A.K. Stansberry and J.R. Lampley.



## Two Paducah "sons" now serving in Peace Corps' global efforts



Roger Melugin      Robert Barclay

Two Paducah "sons" are serving in the U.S. Peace Corps.

Roger Melugin, son of Dale Melugin, in the Paducah Plant's Fabrication and Maintenance Division, is serving in Majuro in the Marshall Islands. The Marshalls are located about half-way between Hawaii and Australia, and will be remembered by many G.I.'s from World War II.

Young Melugin graduated from Murray State University with a major in Industrial Technology. In the Marshalls he teaches in a new vocational high school.

Robert Barclay, son of David Barclay, Finance and Materials Division, is serving in Dahomey, West Africa. He is assigned to the small, impoverished nation and designs the construction of some 80 primary units of elementary and secondary schools as additions to the existing French-built facilities. Presently, the literacy rate in Dahomey is at a meagre five percent.

Barclay graduated from the school of architecture at the University of Kentucky in May of this year. His parents live in Mayfield.

Volunteers in the Peace Corps are engaged in helping people in the underdeveloped countries of the world. Specialists in all fields including farming, medicine, and engineering volunteer to live in remote regions where an exchange of knowledge will help others develop new and better standards of living.

## Secretary course offered

Economics of Management is the third secretarial improvement course offered in a series of six courses to run through April, 1973. The course began December 2, and will extend through January 9. Classes will be held Tuesday nights from 6:30 to 8:30 at the Oak Ridge High School and will be taught by Yvonne Lovely, ORNL. For registration information and textbooks contact the CPS Service and Education Chairman of the Oak Ridge National Secretaries, Bettye Burns, extension 3-1306.

## Christmas party form repeated in Oak Ridge

The application for children in the three Oak Ridge facilities Christmas party is repeated in this issue of the Nuclear Division News.

The Recreation Department reports that tickets are rapidly being expended with one or two times already gone . . . so don't disappoint that youngster. Get your application for the December 22 party in now.

Paducah's party is set for this Saturday, and it is hoped that photos will be available in time for our Christmas issue to be dated December 21.

### LOCAL 166 TO STAGE PARTY DECEMBER 23

Local 166 of the Building Services Employees Union will hold its annual Christmas dance on December 23 at the Civic Center in Oak Ridge. Each member may bring one guest without charge. Admission for additional guests is \$2. Admittance will be by Local 166 union card only.

The cocktail hour is 8-9 p.m. with dancing from 9 p.m. to 1 a.m. to music by the 14 Carat Black.

## DIVISION Retirees



Clinton      Grubb      Myllymaki      Severs



McKay      Miller

A total of six ORGDP employees will retire at the end of this month, ending long careers with Union Carbide.

Herbert S. Clinton, Laboratory Division, worked in Y-12 six years before transferring to ORGDP in 1949. He retires to his Route 3, Hardin Valley Drive, Concord, home.

Fred H. Grubb came with ORGDP September 29, 1953, and is a tractor operator in Grounds Maintenance. He lives at Route 1, Lenoir City.

Charles E. McKay lives at Route 2, Dandridge. He came with Union Carbide June 4, 1944. McKay is also in the Maintenance Division.

Ralph L. Miller, an engineering laboratory technician in the Gaseous Diffusion Division came with Union Carbide July 2, 1951 at ORNL. He transferred to Y-12 (in ORNL's Reactor Division) in February, 1953, and worked there until January, 1970, when he transferred to ORGDP. Miller lives at 410 West First Street, LaFollette.



Rosenbaum

Retiring from ORNL at the end of December are Joseph T. Corea, Martin Rosenbaum and Lola M. McCloud.

Corea, an estimating supervisor in General Engineering Division, joined ORNL in January 1954. He lives at Route 2, Rockwood.

Rosenbaum, an engineering draftsman in General Engineering Division, joined ORNL in June 1959. He lives at 155 Cumberland View Drive in Oak Ridge.

Lola McCloud, a radiation badge clerk in Health Physics Division, joined ORNL in October 1948. She will be at home in Bay, Ark., after January 1.

## Application for Tickets To Christmas Parties

FOR CHILDREN OF OAK RIDGE UNION CARBIDE EMPLOYEES  
(AGES TWO-10 ONLY)

FRIDAY, DECEMBER 22

Plant .....

Employee's Name ..... Badge No.....

Home Address .....

Plant Address .....

Number of Tickets (Children).....

Number of Tickets (Adults).....

— CHECK TIME PREFERRED —

Friday, December 22    9 A.M. .... 11 A.M. .... 1:30 P.M. ....

Only                      3:30 P.M. .... 5:30 P.M. ....

Please check first and second choice (write in space "1" or "2") as only a limited number of tickets will be issued for each party. Preference will be given early applicants and if tickets for first choice are exhausted, tickets for second choice will be issued.

Return this form, properly and completely filled in, to the Carbide Recreation Office, Building 9711-5, Stop 1, Y-12 Plant. Please apply for tickets before December 19. The required number of tickets will then be mailed to parents at their home or plant addresses.



EAGLE SCOUTS NOW — Three Carbide sons recently gained Eagle status in the Boy Scouts in Explorer Post 220. They are, from left, Mark Smith, a senior at Clinton High School; Mark Tallent, a junior at Oak Ridge High School; and David Nelson, also a junior at ORHS. Smith is the son of Walter T. Smith, Y-12 Engineering; Tallent the son of O.K. Tallent, ORNL Chemical Technology; and Nelson is the son of Robert L. Nelson, ORNL's Biology Division.



## Nuclear Division deaths

Carlton F. Huskey, a pipefitter in Y-12's Process Maintenance, was killed in an automobile accident near his home in Philadelphia, Tenn., November 23.



Mr. Huskey

1972.

Survivors include his wife, Mrs. Tommy Miller Huskey; daughters, Deborah, Susan and Connie; his mother, Mrs. Blanch Huskey; and two sisters.

Funeral services were held at the First Baptist Church, Philadelphia, with burial in the Sweetwater Valley Memorial Park.

Glenn Slack, Y-12's Dispatching Department, died November 15 in a Rockwood hospital.

Mr. Slack, a native of Polk County, came to Y-12 September 24, 1952.



Mr. Slack

Survivors include his wife Mrs. Pearl Mull Slack; a daughter, Patsy Gallaher; three sons, Harold, Charles and McNoel Slack; four sisters; six brothers; and five grandchildren.

Funeral services were held at Sharp's Funeral Home, Oliver Springs, with the Rev. Luther Freels officiating. Burial followed in the Oak Ridge Memorial Park.

Hencil Leonard, Purchasing, died November 29 in a Knoxville hospital, apparently from a heart attack.

A native of Carter County, Mr. Leonard came with Union Carbide first in 1946. From 1951 until 1952 he was with the General Electric Company and worked with Maxon Construction Company from 1952 until 1954, when he returned to Union Carbide's Purchasing Division.

The Leonard home is at Route 4, Irwin Road, Powell.

Survivors include his wife Mrs. Mary Cook Leonard and his parents Mr. and Mrs. Robert C. Leonard.

Funeral services were held at Weaver Funeral Chapel, Knoxville, with the Rev. W. Jean Richardson officiating. Burial was in the Happy Valley Memorial Gardens, Elizabethton.

### RETIREE FERGUSON DIES

ORNL retiree Robert H. Ferguson died November 27. He left ORNL in January of 1966. He was a chauffeur and truck driver in Plant and Equipment Division for 19 years. Funeral services were held December 1 in Knoxville.

Carl G. Wolfe, Y-12's Fabrication Division, died November 10 in a Knoxville hospital. He had been ill for some months.



Mr. Wolfe

Mr. Wolfe came with Y-12 in 1948. He was a native of St. Paul, Va., and had worked previously at the Oak Ridge Gaseous Diffusion Plant.

Survivors include his wife Mrs. Beulah Turner Wolfe, 432 West Outer Drive, Oak Ridge; a daughter, Mrs. Marie Moore; four sons, Jackie, Wendle, Wayne and J. Frankie Wolfe; a sister, three brothers, and 10 grandchildren.

Funeral services were held at the Huff Cook Funeral Home, St. Paul, with burial in the Temple Hill Cemetery.

*"Kindness is the golden chain by which society is bound together."* ... Goethe

### ORNL BOWLING

The Ten Pins got their lead cut in the A League as ORAU moved up with some fancy bowling. The Pins hold only a half-point lead. Tom Kitchings, Good Guys, rolled a 225 game recently; and Elbert Carlton, ORAU, put a 211 on the same night.

The Remkeys are slightly ahead of the Pin Heads in C bowling circles. Their roll-off was set last week, and results will be noted later.

The Woodchoppers command first place in the E League, with the Gutter-snipes and Dodads tied for second slot.

The Ladies' League puts the Hp-Ettes in first place, barely, followed by the Pick-Ups, who are followed by the Mousechasers. Sally Stockstill has rolled high game thus far, a 232 scratch, 264 handicap single!

## Y-12 credit union will change nominating method

The Y-12 Employees Federal Credit Union has over 6,000 members, but only a fraction of these attend the annual meetings that are held every January. To permit greater participation by the membership in making nominations, the Credit Union has amended its bylaws to provide an opportunity for nomination by petition. The National Credit Union Administration stipulates standard wording for such bylaw changes; the Y-12 Credit Union has adopted the amendment and it is posted in the Credit Union office and on bulletin boards throughout the plant.

Since the amended bylaw provides for nomination by petition, it precludes nominations from the floor at the meeting. With the present membership of the Credit Union at 6,670, the required two percent of members signing a petition for nomination is 133; all persons signing a petition must be members of the Credit Union in good standing to be counted. Members in good standing are those who have signed individual membership cards, paid individual membership fees, have been accepted by the membership officer, and are 16 years of age or older. Petition forms are available at the Credit Union offices.

A nominating committee has been appointed to present a slate of nominees for the two positions on the Board of Directors and the one position on the Credit Committee that must be filled by election at the annual meeting. Members of the nominating committee are Leo F. Hemphill, P.L. Holland, and Richard G. Spurling. Additional nominations by petition will be accepted according to the conditions of the amended Bylaws as given above.

The 1973 annual meeting will be held at Robertsville Junior High School on Thursday, January 25. Additional details of the meeting will be announced later.

## Metric conversion aid developed by Carbide

The pound... the yard... and the gallon may soon be out-dated in this country. Ready or not, the metric system is coming to the United States, one of the last hold-outs still using the antiquated English system of measure.

Both England and Canada are currently in the transition process converting from English to metric measurement and the United States Senate recently passed a bill calling for the adoption of the metric system here. The House is expected to follow suit early this Spring.

The National Education Association urged that students be taught the metric system as the primary language of measuring starting this Fall... however, text book manufacturers said they could not move so quickly.

A new device, one of the first educational aids on the market to help orient people to the metric system, has been developed by Union Carbide Corporation. The all-purpose slide rule calculator, designed to simplify the conversion, will facilitate the transition when the system is adopted as the official standard of measurement in the United States.

The calculator -- made of heavy, plastic-coated, moisture-resistant cardboard -- offers quick interchange among 35 different metric and conventional units. It also converts weight, liquid, and temperature measures.

A marketing program for the sale of the new calculator has been set up at the Research Center in Tuxedo, N.Y., and distribution will be made from there. The calculator is priced at \$2.50.

The metric system calculator is the latest of several educational aids developed at the corporation's Research Center to fill specific needs as expressed by teachers throughout our school systems. The others are the Mini-generator kit, Seed-Gro germination plant growth kit, Ucair environmental kit, Micro-Gro microbiology kit and a genetics kit.



**AFFIRMATIVE ACTION ORIENTATION** — Affirmative Action Representatives discuss the program with employees in ORGDP's Fabrication and Maintenance Division. B. Wayne McLaughlin, standing at left, and W. Eugene Rooks, standing at right, in similar meetings discussed the program with all employees in that division. Meanwhile, Affirmative Action Representatives in each of the Nuclear Division's installations have been holding information meetings for employees in their own divisions. New employees entering the Nuclear Division also learn about the program in their orientation sessions. All employees for the Nuclear Division should have participated in discussions of the Affirmative Action Program during the last year. If you have not, or are not presently scheduled for discussion, please contact your Affirmative Action Representative or the Equal Opportunity Coordinator in your installation.





## SPORTS NOTES



**D SHIFT TURKEY SHOOT** — D-Shifters in Y-12 line up for a successful turkey shoot at the Oak Ridge Sportsmen's Association range.



### Y-12 PLANT

RIDERS from Athens, Sweetwater, Loudon, Lenoir City to any portal, straight day. A.R. Shamblin, plant phone 3-7181, home phone Athens 745-2838.

RIDE from vicinity of Bull Run Steam Plant, to North Portal, straight day. T.C. Hale, plant phone 3-7342, home phone Claxton 945-3142.

CARPOOL MEMBER from East Village area, Oak Ridge, to North Portal, straight day. Max Scott, plant phone 3-7216, home phone Oak Ridge 483-6028.

TWO CAR POOL MEMBERS from vicinity of Waddell, West Outer or Pennsylvania to East or North Portal, 8:15 a.m. Tom Burnett, plant phone 3-6939, or Oak Ridge 483-1975 or Dick Reed, plant phone 3-1801 or Oak Ridge 483-3458.

### ORGDP

RIDE from 129 Royce Circle, Oak Ridge, to Portal Two, 7:45-4:15 shift. Laura Dobie, plant phone 3-3421, home phone Oak Ridge 482-3300.

RIDE or will join car pool from Washington Pike, North Knoxville, North Hills area, to main portal, straight day. Craig Ross, plant phone 3-7260, home phone Knoxville 525-2576.

### ORNL

RIDE from Pennsylvania Avenue in Oak Ridge to West Portal, 8 a.m. Elise Johnson, plant phone 3-1166.

RIDE from Bearden to East Portal. Alice Montgomery, plant phone 3-6905 or 3-6098.

*"Habit is a cable; we weave a thread of it every day, and at last we cannot break it."*

... Thomas Mann

### ORNL TURKEY SHOOT

D Shift-men staged a turkey shoot recently on the O.J. Harmon farm, Claxton. Taking big turkeys were Kenneth Belitz, William Billingsley, Swan Breeding, William Bryan, James Fields, James Fleenor, Oscar Harmon, Robert Kerby, Willie Schuiten, Zena Stalsworth and James Wolfenbarger. Joe Pendleton and Ted Rector took home both a ham and a turkey.

Meanwhile C Shift organized a turkey shoot at the C.L. Julian farm. Copping birds were Floyd Adams, Wilburn Borum, Charles Brown, John Brown, Early Breazeale, Glen Davis, Gaines Flower, Clarence Fox, Ray Potter, James Rather, Charles Shetlon, James Walden and Teddie Welch.

### Y-12 BOWLING

The Eightballs still hold a rather narrow lead in the Classic League, three ahead of the Has Beens. L.E. Sikes, Rebels, rolled a 283 handicap game recently ... a 715 series!

The Hits & Misses still hang onto a one-point lead in the Y-12 Mixed League, in front of the Rollers, with the Friskies moving up on the left.

The Rounders round out the top again in C bowling circles, two and one-half ahead of the Mini-strikes. The big Sunflowers hold down high series honors thus far, with a 3087 handicap total.

### ORGDP BOWLING

The Tuesday night league sees the All Stars dropping to second place, as the City Slickers become top dogs ... three and one-half points out front. C.L. Butcher has rolled a 609 scratch series of late.

The Planners are new leaders in the Wednesday night league, replacing the Rookies. The Sandbaggers recently rolled a 3032 handicap series!

The Women's Bowling League puts the Pay-Offs still ahead of the pack. Chloris Starlin was heroine of the night recently rolling a 613 handicap series.



**HAM-TURKEY SHOOTS** — Oak Ridge National Laboratory marksmen line up with winnings at recent turkey and ham shoots. In the top photograph, A Shift shows ham winners, and in the lower photo, C Shift men claim their turkeys.

## ORNLer's son wins area pass-kick competition

Jeff Harris, son of Julia Harris of ORNL's Information Division, recently competed in the Ford Motor Company Punt, Pass and Kick Competition held in Louisville, Ky.



This is the third straight year that Jeff has won the local competition and the second year that he has won in zone competition.

Jeff is a member of the Harriman Midget League Program where he has played football for the past four years as a member of the 90 lb. and 105 lb. teams as a center.

### SKEET LEAGUE

Bert Searles, Y-12, scored high in November skeet firing, with a 48.240 score. He was followed by Bob Allstun, also of Y-12, with a 47.947. Perry Bullard, Y-12, fired third with 47.729. About half the skeeters were under penalty because of previous high firings.

*"My best of wishes for your merry Christmases and your happy New Years, your long lives and your true prosperities. Worth 20 pound good if they are delivered as I send them. Remember? Here's a final prescription added, 'To be taken for life.'"*

Dickens

### ORNL HAM SHOOT

A Shift Recreation decided to have just a plain old ham shoot prior to the holidays. They chose Harmon's farm on McHaffey Road for their successful outing. Homer Adkins, George Blankenship, Terry Darr, Kenneth L. Elkins, Thomas W. Futon, Eddie Golden, James Groover, Ancil Hooks, William Hornbaker, Charles Ingalls, Ralph L. Jeffers, Arlis Jones, George Price, Clyde Scott, Sam Ward and James White all took home hams.

### ALL CARBIDE BOWLING

The SASA's still lead the Carbide Family Mixed League, which rolls every Friday night. George Reece recently rolled a 219 game for highs; and Elaine Griffies put a 200 game up for her Lucky Strikers.

### ALL CARBIDE RIFLE LEAGUE

Match eight of the Smallbore Rifle League saw ORNL's F.M. Barnes fire a 373; Y-12's Dick Spurling a 354; and W.M. Davy Jr., ORNL, a 347. Barnes' 378 is high score to date.

### WOMEN'S BASKETBALL—

#### VOLLEYBALL

Women interested in basketball and volleyball on an informal basis will be interested in this. Tuesday, January 2, 1973, will be opening night for the activities in Oak Ridge. Between the hours of 7 and 9 p.m., the Oak Ridge High School Gymnasium will be reserved, and Tuesdays thereafter. Interested employees should call Recreation, extension 3-5833.



# The Medicine Chest

(Editor's Note: Dr. Lincoln begins with this issue alternating his regular column with a column called "The Medicine Chest." He will attempt to answer your questions on health in general. Simply address your question to "Medicine Chest," c/o NUCLEAR DIVISION NEWS, Building 9704-2, Stop 20, or call the news editor in your plant, and give him your question on the telephone. Your name will not be used with the question, and you will not be embarrassed in any way.)

By T. A. Lincoln, M.D.



**QUESTION:** "I need to lose about 20-25 pounds and find dieting a big bore. Any suggestions?"

**ANSWER:** If dieting is only a bore, you're lucky! People's eating habits are extremely difficult to change unless they clearly appreciate a threat to their security by continuing at the same weight. This threat may be no more than distress at one's deteriorating self image. Personal pride in appearance can be a powerful stimulus. Pride plus the threat of a loss of love is even more powerful. For example, an obese 40-year-old woman who suddenly loses her husband may diet vigorously to become attractive enough to gain another husband. When obesity is a threat to life itself, for example, after a heart attack, many fat people follow a diet and lose weight with remarkable ease.

If you are bored, you must have poor motivation. Losing weight should be a challenge that requires all your skill and discipline. You apparently think you ought to lose weight, probably really want to, but are not threatened enough to buckle down immediately.

Joining a group effort like TOPS, Sure Losers or something similar, might help. Your fat peers will keep you interested. I understand they call a spade a spade and no excuses for lack of progress are accepted. Success brings not only personal satisfaction, but the support and recognition of fellow sufferers. The team approach might be adapted to the work situation. Maybe you should ask the company medical department for help.

**QUESTION:** "Do you consider heavy smoking dangerous? In what way? Lungs? Heart? Arteries? Or what? I have tried stopping many times, but my own physician says that trying does more harm to my nerves than smoking will do to the tissues of my body. (Oh, yes, he smokes, too!)"

**ANSWER:** Yes, of course I do. It is hazardous to the heart, lungs, arteries, and to a much lesser degree, the stomach. The evidence is overwhelming if one will bother to examine it carefully.

Physicians' recommendations are based only partly on careful objective evaluation of the published literature on any health hazard. A fat doctor finds it hard to lecture his patients on obesity, just as a cigarette smoking doctor seldom pushes hard to get his patients to stop smoking.

There is evidence that heavy cigarette smokers often have personality character-

istics which may make them more vulnerable to stress diseases. Often they are tense, fidgety, restless, aggressive, and impatient. They get some calming benefit from smoking and when they quit, they may have an exacerbation of their underlying symptoms. Regardless of the underlying personality, the withdrawal is tough. Most smokers who succeed say they feel better, both physically and mentally. It may take several years to achieve this improvement but it is there if you are willing to work for it. When the withdrawal symptoms are severe, it is easy to rationalize that the symptoms are worse than the risk of continuing smoking, but there is precious little evidence to support that contention.

**QUESTION:** "Is a Carbide employee subject to dismissal if he contracts a venereal disease? Should he report such to the medical department?"

**ANSWER:** No, he is not subject to dismissal unless he is caught catching the infection while at work! (Such recreation is strictly forbidden!) Yes, he should report any penile discharge accompanied by burning when he urinates. The medical department will help in a manner similar to any other infection. The reason for your visit will be kept confidential. Incidentally, a blood test for syphilis is usually performed when you have your periodic physical examination.

The diagnosis of gonorrhea in women is almost impossible without a bacterial culture. Most women have few or no symptoms. Not all the medical departments collect specimens to send to the state for analysis.

Eventually, a voluntary pelvic examination with a routine culture of vaginal secretions performed on all women during their periodic physical examination may be necessary to uncover those who are harboring the infection but are completely unaware of it. Hopefully, a blood test, like one used for syphilis, will eventually be developed so men and women can be screened in a much simpler fashion. With venereal disease the second most common communicable disease, it is obvious something must be done - and soon.

*"The world hates change, yet it is the only thing that has brought progress."*

... Charles F. Kettering

## SOCIAL SECURITY MEDICARE

Mushrooming Social Security-Medicare programs will gobble up \$63.4 billion in payroll taxes during 1973--\$13.9 billion more than in 1972.

Most of us don't realize how big these programs have become. For instance, it takes more tax money to operate Social Security and Medicare than any other government activity--save national defense. Erelong social security spending will be number one.



**COMMISSIONER VISITS** — Commissioner William O. Doub, Atomic Energy Commission, was the principal speaker at a banquet recently in Oak Ridge. The banquet was part of a successful three-day Precision Machining and Gaging Clinic, sponsored by the Society of Manufacturing Engineers and Union Carbide. From left are Roy L. Williams, chairman of the Oak Ridge-Knoxville chapter of SME; Roger F. Hibbs, president of the Nuclear Division; Commissioner Doub; Harry B. Osborn Jr., vice president-marketing manager of Park Ohio Industries, Tacco Division; and past president of SME; and Robert J. Hart, Manager of the Oak Ridge Operations of AEC.

## McClung named to head ASTM E-7 committee

Robert W. McClung, who heads up the Nondestructive Test Development of the Metals and Ceramics Division of ORNL, has been elected chairman of Committee E-7 on Nondestructive Testing of the American Society for Testing and Materials.



McClung

Committee E-7 promotes research and the advancement of technology of nondestructive testing of engineering materials, structures and assemblies. ASTM is the world's largest source of voluntary consensus standards for materials, products, systems, and services. It has headquarters in Philadelphia and has 22,000 members.

McClung has been with ORNL since 1955. Prior to 1960 he conducted re-

search and development in nondestructive testing methods with emphasis on ultrasonic and radiographic techniques.

Prior to coming to Oak Ridge, he was with the Chemical Division of Quaker Oats and was in the U.S. Air Force.

A native of Memphis, he received his B.S. degree in chemical engineering in 1950 from The University of Tennessee. He and his wife, Frances, live on Irwin Road in Powell.

In addition to ASTM, McClung is a member of the American Society for Nondestructive Testing, serving as national president from 1960 until 1970, and as chairman of the board the next year, and the American Society for Metals. He has authored many papers and articles on various aspects of nondestructive testing. He holds a patent in eddy current dimensional gages and one in X-ray gaging techniques.

## \$800,000 contracts let

Contracts totaling more than \$800,000 have been awarded by Union Carbide Corporation's Nuclear Division for equipment for the Oak Ridge facilities.

A contract totaling \$490,000 was awarded to the General Electric Company for two voltage regulating transformers to be installed at the Elza switchyard at the Oak Ridge Y-12 Plant. The units will be manufactured at General Electric's Pittsfield, Mass., plant, and will be installed by an AEC subcontractor.

Systems Engineering Laboratories, Inc., Fort Lauderdale, Fla., was awarded a \$196,241 contract for a data acquisition computer for the Oak Ridge Electron Linear Accelerator at the Oak Ridge National Laboratory.

General Electric Company was awarded a contract totaling \$115,000 for 25 sets of motor coils at the Oak Ridge Gaseous Diffusion Plant.

## NUCLEAR DIVISION NEWS

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## CALENDAR of EVENTS

### TECHNICAL December 14

General Engineering Seminar: "Timberlake," Larry W. Colaw, TVA. East Auditorium, Building 4500N, 1:30 p.m.

### December 18

Metals and Ceramics Division Seminar: "Influence of Grain Boundaries on Mechanical Properties," J.P. Hirth, Ohio State University. East Auditorium, Building 4500N, 1:30 p.m.

### COMMUNITY December 17

Art Center Film Club presents "The Great Dictator," starring Charlie Chaplin. Jefferson Junior High School, 8 p.m. Admission: adults, \$1.50; students \$1.

### December 18

Playhouse tryouts for "Mary, Mary." Oak Ridge Playhouse, 7:30 p.m.



**ENGINEERING TECHNICIANS RECOGNIZED** — Governor Winfield Dunn recently recognized the American Society of Certified Engineering Technicians, citing them for their efforts to increase the competence and professional skills of the individual members. "The Design Engineering Group of Y-12 and ORGDP," the governor's plaque stated, "has the unique honor of employing almost 100 of these certified technicians, so I think it is safe to say that this one department employs more certified technicians than any other single group in the State of Tennessee, or perhaps an even greater geographical area." George R. Jasny, director of engineering, presents the plaque to Ralph E. Dial, president of the Oak Ridge-Knoxville chapter of ASCET; while Finis S. Patton, design engineering director, right; and John Bonavita, regional ASCET vice president, left, look on.

## A Woman's Word

# Women get lower pay, too!

Women have higher voices, longer hair, smaller waistlines and, sometimes, the upper hand — as a wit once noted — but they also have smaller paychecks, according to figures from the U.S. Department of Labor.

Woman's lib and "You've come a long way baby," notwithstanding, in recent years the earnings gap between men and women has gotten even wider, government figures show. In 1955, for example, the median wage for women was nearly 64 percent of men's salaries: by 1970, it dropped to 59.4 percent. In median dollars this meant \$5,323 vs. \$8,966.

### Lower-skilled jobs, too

Although not all statistics show that women receive unequal pay for equal work, they do reflect the fact that females are most often employed in lower-skilled jobs. For example, in service occupations, women were more likely to be working at lower wages as waitresses, cooks and nurses' aides while men were holding down the better-paying jobs as bartenders, firemen, policemen and detectives. Similarly, women made up less than 20 percent of principals, superintendents and other administrative officers in the elementary and secondary school system — all higher paid positions.

Differences in job-typing aside, the Department of Labor found — as some working women have long suspected — that males are sometimes better paid than females even when doing similar work. For example, among men and women accounting and payroll clerks, some of the weekly salary differences ranged all the way from \$6.50 to \$42.50.

The earnings gap is also no particular respecter of trade or profession, according to the Bureau. In 1970, women scientists' salaries ranged from \$1,700 to \$5,100 less than those of men in the same fields.

The science with the widest differences in pay? The distinction, it seems, belongs to the field of chemistry — the same folks who brought you Mme. Curie. The median annual salary of women in the field was \$10,500 as compared with \$15,600 for men.

### It's not much better elsewhere

Just in case you think of the earnings gap as strictly Uncle Sam's problem, be advised that in other countries, the gap is

often just as gaping — no matter what the nation's stated ideology is.

For example, in the People's Republic of China, where women have been toting gunny sacks and lifting stone long before Chairman Mao put down his first Quotation, things haven't changed much it seems. Even though their jobs are often as unisex as their uniforms — the money is not, female comrades complain — just like Capitalist sisters. "The work is equal but not the pay," a Central Committee publication recently quoted one bitter (female) workers' spokesman on the occasion of China's "Women's Day" celebrations.

Female laborers in that other "Worker's Paradise," East Germany, have nothing much to celebrate either, it seems. Though the Iron Curtain country's constitution proclaims women's rights to operate steamrollers, tractors and other tasks alongside of men — they often get a cold shoulder as far as equality in pay is concerned, according to recent press reports.

### More talk and results

However, if women are making less money here, they and most everybody else are talking about it more — with increasing promising results. As more American women are drawing salaries and enjoying, along with men, such fringe benefits as pensions and health and life insurance to augment their family's protection — their opportunities are beginning to improve.

In addition to stricter enforcement of equal-pay laws by the government, there has also been progress in industry's search for qualified women, with corporations stepping up their recruitment of female college students — as many a campus recruiter can testify.

Increasing also are on-the-job training programs, as more companies re-examine their employment practices and promotion policies. All these developments promise more opportunities for better-paying jobs for women. And every employer knows it's only good business to make the most efficient use of all available labor resources — whatever the worker's sex.

## Nuclear safety group to hear AEC's Collins

The next regular Nuclear Safety Program Seminar will be at 9:15 a.m. December 21, in the 4500 East Auditorium.

Paul F. Collins, chief of the Operator Licensing Branch of the U.S. Atomic Energy Commission will speak on "Operator Training and Retraining Requirements at Licensed Reactors."

He holds a B.S.M.E. from Rensselaer Polytechnic Institute, and has been with the AEC since 1965. He was previously with DuPont at the Savannah River Plant, and with the U.S. Army on two different commissions.

Collins will discuss training programs that must be developed consistent with the type of license being sought, that are applicable to the facility, and that will permit participants to meet the eligibility requirements of the regulations.

## Interest refund declared by ORNL's credit union

ORNL Credit Union states that an interest refund on loans will be given to members effective December 31, 1972. The refund will be five percent of interest paid during the last quarter of 1972. The refund will be applied to each member's account and a voucher mailed to each member showing the amount of refund.

This interest refund has been made possible by the loyalty and support of the members. In 1972 the Credit Union has paid top interest on shares accounts and is now making this refund on loan interest paid during the last quarter.